

JAC
MOTORS

N55 EV Specifications



Power in Silence

June 2023

This superior vehicle boasts up to 50% lower operating cost and 30% lower maintenance cost

N55 EV key features:

- ✓ 2,000kg payload
- ✓ Remote Locking
- ✓ Reverse Camera
- ✓ Cargo capacity 15.7m3 (Pantech Box)
- ✓ ABS with pedestrian warning
- ✓ Driver and passenger airbag
- ✓ DC Charging time 1.5h >DC 90KW
- ✓ Suspension Driver Seat
- ✓ Daytime running lights
- ✓ 200km range
- ✓ Power windows
- ✓ Air conditioning
- ✓ 8s Acceleration from 0 – 50km/h
- ✓ Optimised & Regenerative Braking



Electric motors are typically more efficient than Internal Combustion Engines (ICEs) because they convert a higher percentage of energy from their power source into usable mechanical power. The efficiency of an electric motor is typically above 80%, with some models achieving a peak efficiency of 96% in 90% of their working area. In comparison, ICEs typically have efficiencies ranging from 25-40%, with the most efficient engines reaching about 50% efficiency.

Higher efficiency means that electric motors require less energy to perform the same amount of work as ICEs, resulting in less fuel consumption and lower emissions. Additionally, the high efficiency of electric motors allows for better drivability and response, which translates into a smoother and more enjoyable driving experience.

N55 EV Truck Specifications

Note: ● standard; ○ optional; - not available

DESCRIPTION		N55 EV RHD
Basic Information	Cab type	Single
	Left or right driver	RHD
	Applicable temperature	-5-40°C
Vehicle Parameters	Chassis dimension (mm)	5995×2160×2323
	Wheelbase (mm)	3365
	Front-rear tread (mm)	1680/1705
	Front-rear suspension (mm)	1110/1520
	Approach angle	25
	Departure angle	16
	Min turning radius (full load) (m)	15
	Tire type	215/75 R17.5
	GVW (kg)	4500; 5500
	Front/rear axle rated payload (kg)	3100/4500
	Rear axle ratio	5.571
	Leaf spring number	3/4+3
	C/C Curb Weight (Kg)	3150 (C/C)
	Min ground clearance (mm)	228
Vehicle Performance	Range under C-WTVC, full load (km)	≥200
	Max speed (km/h)	90
	Max gradability(%)	30%
	Accelerating performance from 0-50km/h (s)	<9 (s)
Powertrain System	Driving motor type	PMSM
	Rated-peak power (kW)	65/130
	Rated-power rotational speed (rpm)	1500/4500
	Rated-peak torque (N.m)	415/1200
	Cooling method	liquid cooling
Electric Power System	Battery type	LFP battery Gotion
	Single cell type	180Ah-6P6S
	Rated voltage of the battery (V)	537.6
	Battery capacity (Ah)	180
	Total capacity (kWh)	96.77
	Weight of the battery (kg)	728

DESCRIPTION		N55 EV RHD
Suspension	Front Suspension	Fewer springs of front cross-section + double acting shock absorber
	Rear Suspension	Rear leaf spring suspension (multi springs)+double acting shock absorber
Frame	Frame Cross Section Size	214*70*5
Brake	Type	hydraulic
	Brake type	front drum, rear drum
	ABS	●
	Braking energy recuperation	●
Exterior	Manually adjustable headlamp	●
	Rear fog lamp	●
	Daytime running light	●
	Frame rear view mirror (widened)	●
	One-button power window (anti-clip)	●
	Wind deflector	○
	Roof storage (driver + co-driver)	●
Interior	Glovebox	●
	PVC seat	●
	Ash pan	●
	Driver sun visor	●
	Co-driver sun visor	●
	Sun visor with bill fold for driver & co-driver	●
	PVC carpet	●
	Cigarette lighter	●
Integral-type roof	●	

DESCRIPTION		N55 EV RHD
Safety	Height adjustable driver safety belt	●
	Three-point safety belt for co-driver	●
	Driver safety belt warning	●
	Air bags (driver + co-driver)	●
	Auto unlock upon collision	●
	Reversing radar	●
	Rear view camera	●
	Reverse gear buzz	●
	Power master switch	●
	Comfort Configurations	HVAC
Cruise Control		●
Central locking		●
Foldable remote control key		●
MP5		●
Charging	USB interface	●
	AC charging	●
	AC charging (slow charging) (h)	16
	DC charging (fast charging)	●
	DC charging (fast charging≥120kW) time (h) (10%-100%)	2 (≥90kW)
Charging standard	CCS2	

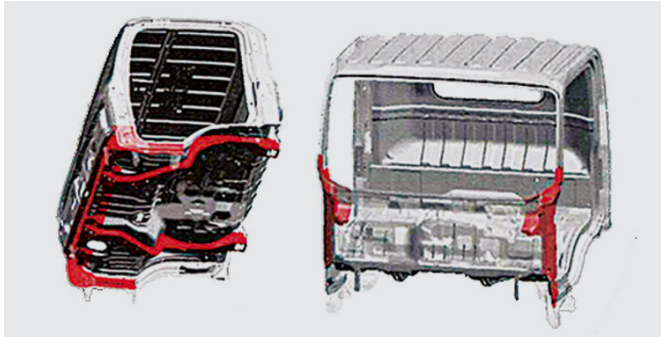
- 
Battery Cell Testing and Compliance:
- 
 Crush test
- 
 External burning test
- 
 Waterproof test
- 
 Collision test
- 
 Vibration test

Warranty[^]

5 years or 200,000km

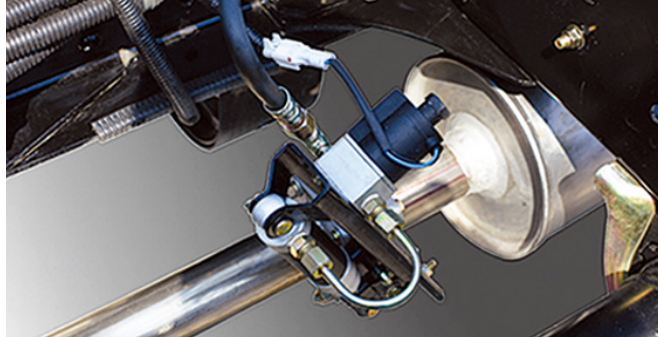
Safety comes as standard with the JAC N-Series electric truck, designed to provide a safe and reliable transportation solution for your business needs.

As an electric vehicle, the N-Series has been equipped with advanced, passenger, pedestrian and driver safety features, including charging safety features that ensure the safety of the truck and its surroundings during the charging process.



Cab Security

The longitudinal beam assembly of the front part of the N-Series truck cab support plate is designed as a closed section using high-rigidity steel. Additionally, an anti-collision girder steel is installed inside the door to ensure passengers' security. Together, these features fully guarantee the safety of the passengers.



Optimised Braking

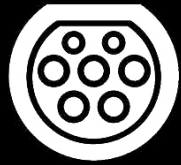
The N-Series is also equipped with a double braking circuit design and front disc brake, providing more secure braking performance. Through collaboration with Honeywell, we have developed a plate that can withstand more friction. Additionally, we have developed ABS specifically for hydraulic braking vehicles in conjunction with Bosch.



Charging Safety

As an electric vehicle, the N-Series has been equipped with advanced safety features, including charging safety features that ensure the safety of the truck and its surroundings during the charging, maintenance and repair process. The power switch allows the operator to turn off the power supply to the truck during maintenance and repair.

Charging Your N55 EV



AC Connector Type

Type 2

Typical Power Ratings

7 kW

Range per Features
Hour Charging

14 km



DC Connector Type

CCS2



N75 Truck Coming Soon!

Note: ● standard; ○ optional; - not available

The JAC N75 EV Truck is a state-of-the-art electric vehicle designed to provide a reliable and efficient and sustainable transportation solutions for your business needs. With these key features the N75 sets itself apart from other electric trucks in its class.

DESCRIPTION		N75 EV
Basic Information	Cab type	Single
	Left or right driver	RHD
	Applicable temperature	'-5-40°C
Vehicle Parameters	Chassis dimension (mm)	(5995/7025 [†])*2105*2323
	Wheelbase (mm)	3365; 3845 [†]
	Front-rear tread (mm)	1716/1650
	Front-rear suspension (mm)	1110/1520; 1110/2070
	Approach angle	20
	Departure angle	12
	Min turning radius (full load) (m)	7; 7.5
	Tire type	215/75 R17.5
	GVW (kg)	7490
	Front/rear axle rated payload (kg)	3100/6200
	Rear axle ratio	6.33
	Leaf spring number	3/6+7
	C/C Curb Weight (Kg)	3150; 3200
Min ground clearance (mm)	155	
Vehicle Performance	Range under C-WTVC, full load (km)	≥200 (GVM 7490kg)
	Max speed (km/h)	90
	Max gradability(%)	20%
	Accelerating performance from 0-50km/h (s)	<9
Powertrain System	Driving motor type	PMSM
	Rated-peak power (kW)	65/130
	Rated-power rotational speed (rpm)	1500/4500
	Rated-peak torque (N.m)	415/1200
	Cooling method	liquid cooling
Electric Power System	Battery type	LFP battery CATL
	Single cell type	173Ah-1P48S
	Rated voltage of the battery (V)	618.24
	Battery capacity (Ah)	173
	Total capacity (kWh)	106.95
Weight of the battery (kg)	700	

† Long wheel base

DESCRIPTION		N75 EV	
Suspension	Front Suspension	Fewer springs of front cross-section + double acting shock absorber	
	Rear Suspension	Rear leaf spring suspension (multi springs)+double acting shock absorber	
Frame	Frame Cross Section Size	214*70*5	
Brake	Type	air brake	
	Brake type	front disc, rear drum	
	ABS	●	
	AEBS	●	
	ESC	●	
	HSA	●	
	ASR	●	
	Braking energy recuperation	●	
	Exterior	Manually adjustable headlamp	●
		Rear fog lamp	●
Daytime running light		●	
Frame rear view mirror (widened)		●	
Electrical heating rear view mirror		●	
One-button power window (anti-clip)		●	
Body builder electrical interface		●	
Wind deflector		○	
Boneless wiper		●	
Roof storage (driver + co-driver)		●	
Interior	Glovebox	●	
	Flock seat	●	
	PVC seat	○	
	Ash pan	●	
	Driver sun visor	●	
	Co-driver sun visor	●	
	Sun visor with bill fold for driver & co-driver	●	
	PVC carpet	●	
	Cigarette lighter	●	
	Integral-type roof	●	

DESCRIPTION		N75 EV
Safety	Height adjustable driver safety belt	●
	Three-point safety belt for co-driver	●
	Driver safety belt warning	●
	Co-driver safety belt warning	●
	Air bags (driver + co-driver)	●
	Auto unlock upon collision	●
	LDWS	●
	Reversing radar	●
	Rear view camera	●
	Reverse gear buzz	●
Comfort Configurations	Power master switch	●
	HVAC	●
	Cruise Control	●
	Central locking	●
	Foldable remote control key	●
Charging	MP5	●
	USB interface	●
	DC charging (fast charging)	●
	DC charging (fast charging)≥120kW) time (h) (10%-100%)	2
Charging standard	CCS Type 2	



Travel up to 200km on a single charge.

The N75 is ideal for long-haul transportation and can be charged from 0 to 80% in just 90 minutes, thanks to its fast charging capabilities.

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